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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/588,100

06/14/2007

Jee-Hyeon Na

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EXAMINER

DOAN, PHUOC HUU

ART UNIT

PAPER NUMBER

2617

MAIL DATE

DELIVERY MODE

03/11/2010

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/588,100	Applicant(s) NA ET AL.	
	Examiner PHUOC DOAN	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 January 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 10-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 10-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

In response to the Applicant's remarks, the Applicant elected Group III, without traverse for prosecution the application. Therefore, claims 10-15 will be examination.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 10-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Agrawal (US Pub No: 2002/0118656) in view of Sakakura (US Pub No: 2002/0019880)**.

As to claim 10, Agrawal discloses a method for a subscriber station to move to a second base station from a first base station and register a mobile IP in a wireless portable Internet system (par [0025-0026] “**register or assign IP address to each of its neighboring base station**”), the method comprising: (a) the second base station and the mobile subscriber station performing a handover (par [0025-0026] “**the soft handoff region between**

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cells before assigning the mobile unit an IP address”); (b) the mobile subscriber station performing a re-registration with the second base station (par [0029] “assigning or re-registration IP address to each of its serving base station neighboring cells**”); (c) transmitting a re-registration request message including a flag set as a mobile IP to the second base station (par [0041, 0043] “**for the target cell will register with the home agent of the mobile station**”); (d) the mobile subscriber station acquiring a COA (Care Of Address) (par [0041, 0043] “**Care Of Address is forward the IP address have registered from home agent to foreign agent when its requested**”), in response to an agent advertisement of the second base station (par [0038] “provide a look up talble”); and (g) the first base station transmitting a reply message to the mobile IP registration request message to the mobile subscriber station via the second base station (par [0031-0035] “IP registration request message to the mobile subscriber station with the set of neighboring base station”). However, Agrawal does not disclose (e) the mobile subscriber station transmitting a mobile IP registration request message for an IP address allocated from the first base station during a MAC connection establishment, (f) the second base station relaying the mobile IP registration request message to the first base station during the MAC connection establishment.**

But Sakakura clearly discloses (e) the mobile subscriber station transmitting a mobile IP registration request message for an IP address allocated from the first base station during a MAC connection establishment [0091, 0102-0103] **“MAC address in associated an IP address are provided for handed over without the loss of connection”** (f) the second base station relaying the mobile IP registration request message to the first base station during the MAC connection establishment (par [0099] “the controller center 101 connects the network 103 with a plurality of bases station where one of base station relaying the IP and MAC address”). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify by Sakakura to the system of Agrawal in order to eliminates extra traffic of connection.

As to claim 11, Agrawal further discloses the method as claimed in claim 10, wherein the steps (d) to (g) are performed through a secondary management connection (par [0041]).

As to claim 12, Agrawal further discloses the method as claimed in claim 11, further comprising: binding the COA and the IP address allocated from the first base station (par [0029, 0041]).

As to claim 13, Agrawal further discloses the method as claimed in claim 12, wherein the first base station is set as a home agent, the second base station being set as a foreign agent (par [0029, 0041]).

As to claim 14, claim is rejected for the same reasons as set forth in claim 1.

As to claim 15, claim is rejected for the same reasons as set forth in claim 1.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUOC DOAN whose telephone number is (571)272-7920. The examiner can normally be reached on 10:00AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, LESTER KINCAID can be reached on 571-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PHUOC DOAN/
Examiner, Art Unit 2617